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ASSIGNMENT RECORDATION FORM COVER SHEET · Patents Only

To the Honorable Commissioner of Patents and Trademarks:

May 19, 1998

Attorney Dkt: 5051-338

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mark A. Conkling
Wen Song
Nandini Mendu

2. Name and address of receiving party(ies):

North Carolina State University
Office of the Vice Chancellor for Research,
Outreach and Extension
Campus Box 9003
Raleigh, North Carolina 27695

17497 U.S. PTO
10/748789



Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment
 Merger
 Security Agreement
 Change of Name
 Other _____

Execution Date: 13 May 1998 and 12 May 1998

Additional name(s) & address(es) attached? Yes No

4. Application Serial No. 09/021,286

If this document is being filed together with a new application, the execution date of the application is:

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Virginia C. Bennett
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 27627

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

Enclosed

Authorized to be charged to deposit account

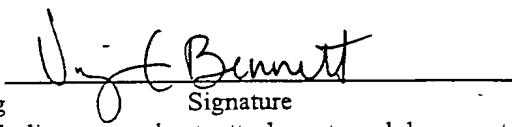
8. Deposit account number: 50-0220

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9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Virginia C. Bennett



Name of Person Signing

Signature

5/19/98

Date

Total number of pages including cover sheet, attachments and document: 5

ASSIGNMENT

THIS ASSIGNMENT, made by us, Mark A. Conkling, citizen of the United States of America, residing at 5313 April Drive, County of Wake, City of Fuquay Varina, State of North Carolina, and Wen Song, citizen of Peoples Republic of China, residing at 9616 Gold coast Drive #G-8, City of San Diego, County of San Diego, State of California, and Nandini Mendu, citizen of India, residing at 5639 Chapel Hill Road #207, City of Durham, County of Orange, State of North Carolina, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in
REGULATION OF QUINOLATE PHOSPHORIBOSYL TRANSFERASE
EXPRESSION for which an application for United States Letters Patent has been filed in the
United States Patent and Trademark Office on 10 February 1998, under Serial No.
90,021,286, and

WHEREAS, North Carolina State University, an educational institution having a
principal place of business at Office of the Vice Chancellor for Research, Outreach and
Extension, Campus Box 7003, City of Raleigh, County of Wake, State of North Carolina
27695, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and
interest in and to said invention as described in said application, and in and to any and all
Letters Patent which shall be granted therefor in the United States of America and all foreign
countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and
valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have
sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee,
its successors and assigns, the entire right, title, and interest in and to the said invention and
application, and in and to any and all continuations, continuations-in-part, or divisions
thereof, and in and to any and all Letters Patent of the United States of America and all
foreign countries or reissues thereof which may be granted therefor or thereon, for the full
end of the term for which said Letters Patent may be granted, together with the right to claim
the priority of said application in all foreign countries in accordance with the International
Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as

fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

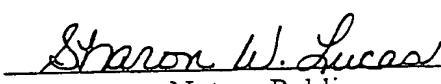
We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 12th day of May, 1998


Mark A. Conkling (SEAL)

STATE OF North Carolina)
COUNTY OF Wake) ss:

Before me personally appeared Mark A. Conkling, to me known to be the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 12th day of May, 1998.


Sharon W. Lucas
Notary Public

SEAL

My Commission Expires: 10/23/02

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day
of May, 1998.

Wen Song (SEAL)
Wen Song

STATE OF California)
COUNTY OF San Diego) ss:

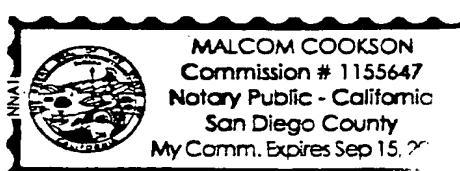
COPY

Before me personally appeared Wen Song, to me known to be the person described in
and who executed the foregoing instrument, and he acknowledged to me that he executed the
same for the purposes therein stated, this 13th day of May, 1998

Malcom Cookson
Notary Public

SEAL

My Commission Expires: 9-15-01



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 13th day
of May, 1998.

Nandini Mendu (SEAL)
Nandini Mendu

STATE OF North Carolina) ss:
COUNTY OF Wake)

COPY

Before me personally appeared Nandini Mendu, to me known to be the person
described in and who executed the foregoing instrument, and he acknowledged to me that he
executed the same for the purposes therein stated, this 13th day of May,
1998.

Cathy Maxine Brown
Notary Public

SEAL

My Commission Expires: Oct 27, 2001